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10/10/01

PATENT APPLICATION  
Do. No. 1482-132

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrie Gilbert

Serial No.: 09/545,691

Group Art Unit: 2683

Filed: April 7, 2000

Examiner: P. Sobutka

For: RF MIXER WITH INDUCTIVE DEGENERATION

Date: September 28, 2001

BOX FEE AMENDMENT  
Assistant Commissioner for Patents  
Washington, DC 20231

10/04/2001 MWOLDER1 00000126 131703 09545691

02 FC:117 34.00 CH 886.00 OP RESPONSE TO OFFICE ACTION

RECEIVED  
OCT 05 2001  
Technology Center 2600

Responsive to the Office Action, dated March 28, 2001, please amend the application as follows.

10/04/2001 MWOLDER1 00000126 131703 09545691

01 FC:102 84.00 OP

In The Claims

Cancel claims 1, 4-8, 11-12 and 14.

Please amend the claims by rewriting as follows:

*Subject*  
*A/*  
2. (Amended once) An RF mixer comprising:  
a mixer core having an LO port for receiving an LO signal, an IF port for providing an IF output signal, and an input port having an input terminal for receiving a current signal; and  
an RF input section coupled to the input terminal for providing the current signal responsive to an RF input signal;

wherein the RF input section includes:

a transistor coupled to the input terminal, and  
an inductor coupled to the transistor to extend the dynamic range of the mixer;

wherein:

the transistor includes a first terminal coupled to the input terminal, a second terminal coupled to receive a reference signal, and a third terminal; and